

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/564,302  
Source: IFWP  
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# ***ENTERED***



IFWP

## RAW SEQUENCE LISTING

DATE: 01/20/2006

PATENT APPLICATION: US/10/564,302

TIME: 12:08:30

Input Set : A:\toyal08-10 seq 1st US.TXT

Output Set: N:\CRF4\01202006\J564302.raw

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3 <110> APPLICANT: Hatake, Kiyohiko
4     Terui, Yasuhito
5     Mishima, Yuji
6     Yamada, Akio
7     Sakurai, Takuma
8     Itoh, Takehito
10 <120> TITLE OF INVENTION: Drug for Cancer Therapy
12 <130> FILE REFERENCE: TOYA108.010APC
C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/564,302
C--> 14 <141> CURRENT FILING DATE: 2006-01-10
14 <150> PRIOR APPLICATION NUMBER: PCT/JP2005/004123
15 <151> PRIOR FILING DATE: 2005-03-09
17 <150> PRIOR APPLICATION NUMBER: JP2004-80454
18 <151> PRIOR FILING DATE: 2004-03-19
20 <160> NUMBER OF SEQ ID NOS: 3
22 <170> SOFTWARE: PatentIn Ver. 3.1
24 <210> SEQ ID NO: 1
25 <211> LENGTH: 708
26 <212> TYPE: PRT
27 <213> ORGANISM: Bos taurus
29 <220> FEATURE:
30 <221> NAME/KEY: sig_peptide
31 <222> LOCATION: (1)...(19)
32 <223> OTHER INFORMATION: Lactoferrin
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37 Cys Leu Ala Ala Pro Arg Lys Asn Val Arg Trp Cys Thr Ile Ser Gln
38           20           25           30
39 Pro Glu Trp Phe Lys Cys Arg Arg Trp Gln Trp Arg Met Lys Lys Leu
40           35           40           45
41 Gly Ala Pro Ser Ile Thr Cys Val Arg Arg Ala Phe Ala Leu Glu Cys
42           50           55           60
43 Ile Arg Ala Ile Ala Glu Lys Lys Ala Asp Ala Val Thr Leu Asp Gly
44 65           70           75           80
45 Gly Met Val Phe Glu Ala Gly Arg Asp Pro Tyr Lys Leu Arg Pro Val
46           85           90           95
47 Ala Ala Glu Ile Tyr Gly Thr Lys Glu Ser Pro Gln Thr His Tyr Tyr
48           100          105          110
49 Ala Val Ala Val Val Lys Lys Gly Ser Asn Phe Gln Leu Asp Gln Leu
50           115          120          125
51 Gln Gly Arg Lys Ser Cys His Thr Gly Leu Gly Arg Ser Ala Gly Trp
52           130          135          140

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53 Ile Ile Pro Met Gly Ile Leu Arg Pro Tyr Leu Ser Trp Thr Glu Ser
54 145                               150                               155                               160
55 Leu Glu Pro Leu Gln Gly Ala Val Ala Lys Phe Phe Ser Ala Ser Cys
56                               165                               170                               175
57 Val Pro Cys Ile Asp Arg Gln Ala Tyr Pro Asn Leu Cys Gln Leu Cys
58                               180                               185                               190
59 Lys Gly Glu Gly Glu Asn Gln Cys Ala Cys Ser Ser Arg Glu Pro Tyr
60                               195                               200                               205
61 Phe Gly Tyr Ser Gly Ala Phe Lys Cys Leu Gln Asp Gly Ala Gly Asp
62                               210                               215                               220
63 Val Ala Phe Val Lys Glu Thr Thr Val Phe Glu Asn Leu Pro Glu Lys
64 225                               230                               235                               240
65 Ala Asp Arg Asp Gln Tyr Glu Leu Leu Cys Leu Asn Asn Ser Arg Ala
66                               245                               250                               255
67 Pro Val Asp Ala Phe Lys Glu Cys His Leu Ala Gln Val Pro Ser His
68                               260                               265                               270
69 Ala Val Val Ala Arg Ser Val Asp Gly Lys Glu Asp Leu Ile Trp Lys
70                               275                               280                               285
71 Leu Leu Ser Lys Ala Gln Glu Lys Phe Gly Lys Asn Lys Ser Arg Ser
72                               290                               295                               300
73 Phe Gln Leu Phe Gly Ser Pro Pro Gly Gln Arg Asp Leu Leu Phe Lys
74 305                               310                               315                               320
75 Asp Ser Ala Leu Gly Phe Leu Arg Ile Pro Ser Lys Val Asp Ser Ala
76                               325                               330                               335
77 Leu Tyr Leu Gly Ser Arg Tyr Leu Thr Thr Leu Lys Asn Leu Arg Glu
78                               340                               345                               350
79 Thr Ala Glu Glu Val Lys Ala Arg Tyr Thr Arg Val Val Trp Cys Ala
80                               355                               360                               365
81 Val Gly Pro Glu Glu Gln Lys Lys Cys Gln Gln Trp Ser Gln Gln Ser
82                               370                               375                               380
83 Gly Gln Asn Val Thr Cys Ala Thr Ala Ser Thr Thr Asp Asp Cys Ile
84 385                               390                               395                               400
85 Val Leu Val Leu Lys Gly Glu Ala Asp Ala Leu Asn Leu Asp Gly Gly
86                               405                               410                               415
87 Tyr Ile Tyr Thr Ala Gly Lys Cys Gly Leu Val Pro Val Leu Ala Glu
88                               420                               425                               430
89 Asn Arg Lys Ser Ser Lys His Ser Ser Leu Asp Cys Val Leu Arg Pro
90                               435                               440                               445
91 Thr Glu Gly Tyr Leu Ala Val Ala Val Val Lys Lys Ala Asn Glu Gly
92                               450                               455                               460
93 Leu Thr Trp Asn Ser Leu Lys Asp Lys Lys Ser Cys His Thr Ala Val
94 465                               470                               475                               480
95 Asp Arg Thr Ala Gly Trp Asn Ile Pro Met Gly Leu Ile Val Asn Gln
96                               485                               490                               495
97 Thr Gly Ser Cys Ala Phe Asp Glu Phe Phe Ser Gln Ser Cys Ala Pro
98                               500                               505                               510
99 Gly Ala Asp Pro Lys Ser Arg Leu Cys Ala Leu Cys Ala Gly Asp Asp
100                               515                               520                               525
101 Gln Gly Leu Asp Lys Cys Val Pro Asn Ser Lys Glu Lys Tyr Tyr Gly

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102      530      535      540
103 Tyr Thr Gly Ala Phe Arg Cys Leu Ala Glu Asp Val Gly Asp Val Ala
104 545      550      555      560
105 Phe Val Lys Asn Asp Thr Val Trp Glu Asn Thr Asn Gly Glu Ser Thr
106      565      570      575
107 Ala Asp Trp Ala Lys Asn Leu Asn Arg Glu Asp Phe Arg Leu Leu Cys
108      580      585      590
109 Leu Asp Gly Thr Arg Lys Pro Val Thr Glu Ala Gln Ser Cys His Leu
110      595      600      605
111 Ala Val Ala Pro Asn His Ala Val Val Ser Arg Ser Asp Arg Ala Ala
112      610      615      620
113 His Val Lys Gln Val Leu Leu His Gln Gln Ala Leu Phe Gly Lys Asn
114 625      630      635      640
115 Gly Lys Asn Cys Pro Asp Lys Phe Cys Leu Phe Lys Ser Glu Thr Lys
116      645      650      655
117 Asn Leu Leu Phe Asn Asp Asn Thr Glu Cys Leu Ala Lys Leu Gly Gly
118      660      665      670
119 Arg Pro Thr Tyr Glu Glu Tyr Leu Gly Thr Glu Tyr Val Thr Ala Ile
120      675      680      685
121 Ala Asn Leu Lys Lys Cys Ser Thr Ser Pro Leu Leu Glu Ala Cys Ala
122      690      695      700
123 Phe Leu Thr Arg
124 705
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127 <211> LENGTH: 25
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129 <213> ORGANISM: Bos taurus
131 <400> SEQUENCE: 2
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134 Ser Ile Thr Cys Val Arg Arg Ala Phe
135      20      25
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138 <211> LENGTH: 26
139 <212> TYPE: PRT
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142 <400> SEQUENCE: 3
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145 Ser Ile Thr Cys Val Arg Arg Ala Phe Ala
146      20      25

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/564,302

DATE: 01/20/2006

TIME: 12:08:31

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L:14 M:270 C: Current Application Number differs, Replaced Current Application No

L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date